

Abstract Submitted
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Status of the HELIX Experiment SCOTT WAKELY, Univ of Chicago, HELIX COLLABORATION — HELIX, the High-Energy Light Isotope eXperiment, is a new balloon-borne superconducting magnet spectrometer designed to make detailed measurements of cosmic-ray chemical and isotopic abundances. Measurements of this kind, in particular of the ratio of radioactive ^{10}Be to ^9Be at energies to 3 GeV/nuc, can provide profound insights into cosmic-ray propagation processes and confinement timescales. HELIX is scheduled to make its first flight during the 2019/2020 Antarctic campaign. In this talk, we will discuss the goals and design of the instrument and describe the status of the program.

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